



## Vertically Polarized Omni Antennas

### 4940 to 4990 MHz Operation

#### Features

- 11 dBi Antenna Gain
- Type N Female Integrated Bulkhead Connector
- Rugged, Lightweight and Waterproof

#### Applications

- Public Safety Applications
- Point to Multi-point Systems
- Mobile Base Station Antennas
- Outdoor Wireless Systems

#### Description

The 4.9GHz Omni Directional antenna systems offered by Pacific Wireless are constructed of UV-stable fiberglass with all stainless steel brackets standard. They have Type N female bulkhead connectors. The horizontal pattern is a full 360 degrees with gain flatness better than 2dB. Some models are available with Electrical Downtilt for better close-in coverage.

#### Specifications

| Parameter                    | Model | Min     | Typ   | Max     | Units      |
|------------------------------|-------|---------|-------|---------|------------|
| <i>Frequency Range</i>       | OD49  | 4940    |       | 4990    | MHz        |
| <i>VSWR</i>                  |       |         | 1.5:1 |         |            |
| <i>Impedance</i>             |       |         | 50    |         | OHM        |
| <i>Input Power</i>           |       |         |       | 100     | W          |
| <i>Pole Diameter (OD)</i>    |       | 1<br>25 |       | 2<br>50 | inch<br>mm |
| <i>Operating Temperature</i> |       | -40     |       | +70     | Deg C      |

|   | <b>OD49-11D1</b>  |
|---|-------------------|
| <i>Gain</i>   | 11dBi             |
| <i>Electrical Downtilt</i>                                    | 1.5 deg           |
| <i>Vertical Beam Width</i>                                    | 5 deg             |
| <i>Rated Wind Velocity</i>                                    | 125mph (56 M/sec) |
| <i>Weight</i>   | 1.1 Lbs (0.5Kg)   |
| <i>Dimension (L +/-1.0")<br/>Diameter Approx. 0.8" (20mm)</i> | 31" (787mm)       |

All Stainless Steel Bracket for Better Corrosion Protection

Extra Wide Strap and Larger Diameter Base for Better Stability  
Extended Connector Shroud for Better Weatherproofing

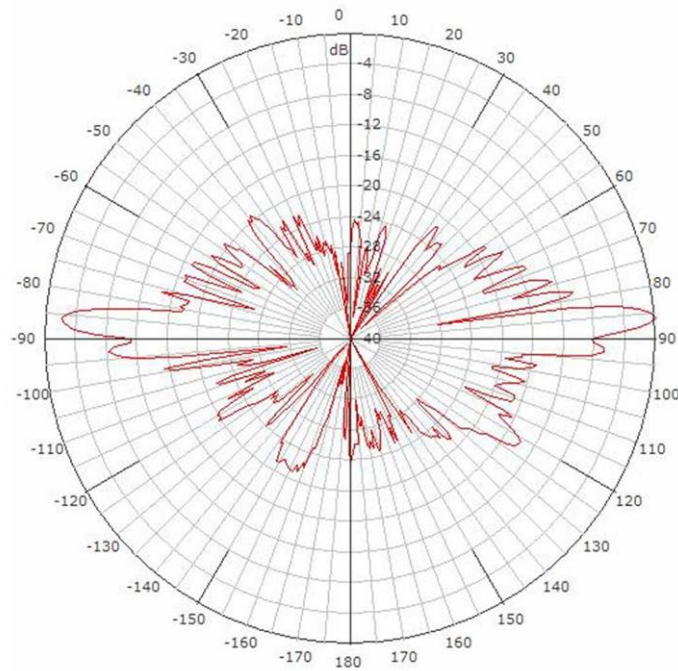
Extended Length N Connector for easier/more reliable weatherproofing



THE  
*Pacwireless*  
DIFFERENCE



### Antenna Patterns at 4.9GHz



*11dBi with electrical downtilt  
Elevation Antenna Pattern*



**Notes:**

- All shipments F.O.B. Pacific Wireless Bluffdale, UT 84065
- All antennas carry a 2 Year Warranty

| Wind Loading |          |
|--------------|----------|
| 100MPH       | 8.75 Lbs |
| 125MPH       | 13.7 Lbs |

**System Ordering:**

**OD49-11D1**      11dBi 4940-4990Mhz Omnidirectional with 1.5 Deg Electrical Downtilt

**For further information contact:**



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